Subject: EV SP15B in Pi 4 ???
Posted by James on Tue, 25 Nov 2008 21:49:22 GMT
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I've got a pair of these in mint condition, but I can't find complete T/S numbers. I'd really like to try them in a Pi 4 -style arrangement. Does anybody know where I might dig up detailed data on these? The Electro-vice site is no help -- not enough info.Thanks in advance!

Subject: Re: EV SP15B in Pi 4 ???
Posted by Wayne Parham on Tue, 25 Nov 2008 23:53:31 GMT
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According to ThieleSmall.com, the EVM 15B specs are as follows:Brand Electro Voice Model EVM-15B Description Range / type Woofer Typical use PA Recomended enclosure Series Pro-Line Manufacturer Order nr Production status Discontinued Nom. diamerer [inch] 15 Vas [Liters] 260 Qts 0,3 Qes 0,31 Qms 13 Fs [Hz] 43 Sensitivity [dB] 101 Max Power [W] 400 Power definition continous Lower freq [Hz] 60 Upper freq [Hz] 3500 Rec. Filter freq [Hz] xmax [mm] 3,25 Moving mass [g] 48 Disp area [m2] 0,086 Disp Vol [cm3] xdamage [mm] 12,5 Air gap [mm] Coil height [mm] Coil diameter [mm] 62,5 Cms [mm/N] 0,214 Rms [N*s/m] 1,4 Magnet weight [gr] 2,225 Magnet height [mm] Magnet diameter [mm] Magnet material - Re [ohm] 5,2 Z [ohm] 8 L [mH] 0,5 Bl [Tm] 17,5 Magnetic flux [Wb] Flux density [T] Outer diam. [mm] Bolt circle [mm] Nr of bolts [Nr] Cutout [mm] Weight [Kg] 9,08 Height [mm] Depth [mm] Driver volume [Liters] Frequency SPL / Z Home page [URL] http://www.electrovoice.com Data sheet [URL} Enterd by - Date reviewed 2003-11-09 Date added 2003-11-09

Subject: Re: EV SP15B in Pi 4 ???
Posted by James on Wed, 26 Nov 2008 01:12:41 GMT
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Hi Wayne,The EVM series and the SP series aren't the same. The SP-15B is a smaller magnet version of the SP-15, both of which were originally designed for hi-fi use (complete with whizzer cone). They are lower Fs, higher Qts, and lower sensitivity than the EVM's. The Electrovoice website does give a suggested box/vent size, but I'd sure like to find the detailed T/S numbers and see what a Pi-aligned enclosure would look like. Thanks very much for the info, and your effort. The search continues ...James

Subject: Re: EV SP15B in Pi 4 ???
Posted by Chris R. on Wed, 26 Nov 2008 01:56:15 GMT
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Not cheap, but you can get Woofer Tester from PartExpress.com for $100 that will measure these for you.

Subject: Re: EV SP15B in Pi 4 ???
Posted by Bill Wassilak on Thu, 27 Nov 2008 00:28:17 GMT
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Try this site they have a listing for the SP15A's but not the B's, which should be pretty close, I think the A's were for guitars and the B's were for bass guitar. The only difference between the EVM15L's and the EVM15B's were the L's had 3 or 4 extra ribs on the cone to make it stiffer, where as the B's didn't have those extra ribs, which only varied the Qms and Vas of the speaker if I remember right.
More TS parameters

Subject: Re: EV SP15B in Pi 4 ???
Posted by James on Thu, 27 Nov 2008 04:32:06 GMT
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Wow, what a great resource -- thanks for the link!I'm probably wrong, but the limited literature I've been able to find on the EV SP-15B indicates that it's closer to the SP-15, both with whizzer cones, ceramic mags, stamped-steel baskets, and intended for hi-fi use. The SP-15 even had a midrange/treble control. The SP-15A has a cast basket, and an Alnico mag (I think). You may well be right that there is little difference among them, but in one piece of EV lit I found regarding the SP-15B, it was suggested that it's best use was in an infinite baffle. If I understand that application correctly, which I probably don't, then it might be that the SP-15B has a much higher Qts, making it a very different animal. I think I'm going to get that woofer tester from PE.Thanks again for the link ... I found info on several other speakers I was having trouble finding.Happy Thanksgiving to all!Best,Jim

Subject: Re: EV SP15B in Pi 4 ???
Posted by James on Thu, 27 Nov 2008 04:34:40 GMT
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Good suggestion, thanks! It'll come in handy for other projects too, I'm sure. I think I just got a new

item to add to my holiday wish list

Subject: Smith & Larson
Posted by Wayne Parham on Thu, 27 Nov 2008 17:04:55 GMT
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I strongly recomend the woofer tester from Smith & Larson instead. Keith Larson is the developer of the product and he and Parts Express went their separate ways when PE started making a clone. I like Parts Express and don't want to disparage them, but I don't think they should be making what amounts to an unlicensed copy of the original S&L woofer tester. It doesn't have the features and enhancements of the ones made at Smith and Larson either, so beyond principle, the S&L models are better products too. In short, get parts at PE - they're a great supplier - but don't get your woofer tester there.
Smith & Larson measurement equipment

Subject: Re: EV SP15B in Pi 4 ???
Posted by Bill Wassilak on Thu, 27 Nov 2008 17:07:56 GMT
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Yes it would be best to get the woofer tester. Also speakers with a higher Qts should go into an infinite baffle, either that or they'll need a larger bass reflex type cabinet of some sort.Happy Thanksgiving!Bill